UPDATED

Charge Controllers

Steca

Solarix PRS 2020, 3030 and PR 3030 PWM type charge controllers offer high performance and simple operation as well as many protection features. They offer automatic detection for either 12VDC or 24VDC configuration and a multi coloured LED or LCD display indicates

Tarom 4545-48 PWM charge controller is designed for use with inverter AC systems. The controller combine basic solar charger functions with 45A input and is available for 12V, 24V and 48V systems. A text type LCD display is provided that indicates operating parameters and fault messages. All controllers provide various electronic protection functions including overcharge, over voltage, over temperature and over load with an automatic electronic fuse.

Opti

Opti SC-SM smart PWM charge controllers are high specification simple to use units for general solar charging control applications, particularly for solar lighting control. Features include temperature sensing for compensation of charge voltage, battery type and protection level selection, intelligent voltage regulation that selects three stages of charging and a unique adjustable lamp dimming function. The controller is fitted with LED's that display various operating and fault conditions and also protects against current, voltage and charge levels outside set limits.

Opti SC MAX charge controllers are advanced technology units that feature automatic system voltage recognition, various battery working mode and protection options, charge intensity selection, electronic overload protection and an LCD display.

Opti SC MPPT charge controllers are advanced design MPPT (Maximum Power Point Tracker) type electronic units that are particularly designed for operation with inverter systems. MPPT technology optimally matches power between the PV solar array and the battery bank and typically giving a 25-30% power gain over PWM regulation. All units are provided with an LCD display that indicates input and output voltage and current, charge mode, battery charge status and energy outputs.

DAYLIFF

The DAYLIFF solar charge controller is of advanced design with Maximum Power Point Tracking (MPPT) applying an intelligent ultra-fast algorithm that enables the controller to extract maximum power from solar arrays. The battery charging process is also optimized for long battery life and improved system performance. Self-diagnostics and electronic error protections prevent damage when installation errors or system faults occur .

- Rated charge current 30 and 40A
- Automatic Battery Voltage recognition
- Maximum efficiency 98 %

TECHNICAL SPECIFICATIONS

	STECA				OPTI						DAYLIFF	
	PRS 2020	PRS 3030	PR 3030	Tarom 4545-48	SC 10SM	SC 20SM	SC 50MAX	SC 60MAX	SC 600 MPPT	SC 3kW MPPT	MPPT 30	MPPT 40
Max. Module Current (A)	20	30	30	45	10	20	50	60	25	45	30	40
Nominal Battery Voltage(VDC)	12/24			12/24/ 48	12/24				24	12/24/48	12/24 Auto Select	
Max. Input Voltage (VDC)									66	145	150	
Self Consumption (V:mA)	4		13		30		15		14			
Max. PV Array Power (Watts)	900			2400	120/240	240/480	600/1200	720/ 1440	600	800/1600 /3200	12V432/ 24V864	12V576/ 24V1152
Low VoltageDisconnect (LVD)	11.2-11.6V(22.4-23.2V)			46.8V	10.8-11.9V(21.6-23.8V)				22.4V	11.5/22.4 /44.4	10.0/17.0	
Reconnection Voltage (LVR)	12.4V-12.7(24.8-25.4V)			50V	12-13.2V(24-26.4V)				24.6V	12.4/24.6/ 50.4	12.4/24.6	
Display	LED								LCD			
IP Rating	IP 32			IP 31	IP 67		IP 32		IP 43	IP 31	IP30	
Dimensions (mm)	187x96x45			218x134 x65	85x70 x20	85x85 x20	127x164x47		220x170 x575	315x65 x128	185x250x95	
Weight (kgs)	0.35			0.8	0.2		0.21	0.69	1.85	4.5	2.65	